

## EPITOPE SYNCHRONIZATION IN ANTIGEN PRESENTING CELLS

### Abstract of the Disclosure

Disclosed herein are vaccines and methods for inducing an immune response against cancer cells and cells infected with intracellular parasites. Vaccines having housekeeping epitopes are disclosed. The housekeeping epitope is formed by housekeeping proteasomes in peripheral cells, but not by professional antigen presenting cells. A vaccine containing a housekeeping epitope that is derived from an antigen associated with a peripheral target cell can thus direct an immune response against the target cell. Methods of treatment are also disclosed, which involve administering a vaccine having a housekeeping epitope.

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